

601FEX-M

Conventional infrared flame detector
Product datasheet

Features

- Unlike UV and UV/IR detection, not blinded by oil mist in machinery spaces
- Can be used on all vessels as fully marine approved
- Proven technology

Applications

The flame detector 601FEX-M is a full-featured solar blind flame detector for enclosed use and boasts a high degree of false alarm immunity.

It is an intrinsically safe detector intended for use in hazardous atmospheres and must be connected via a suitable isolator or shunt diode safety barrier in a certified Intrinsically Safe system.

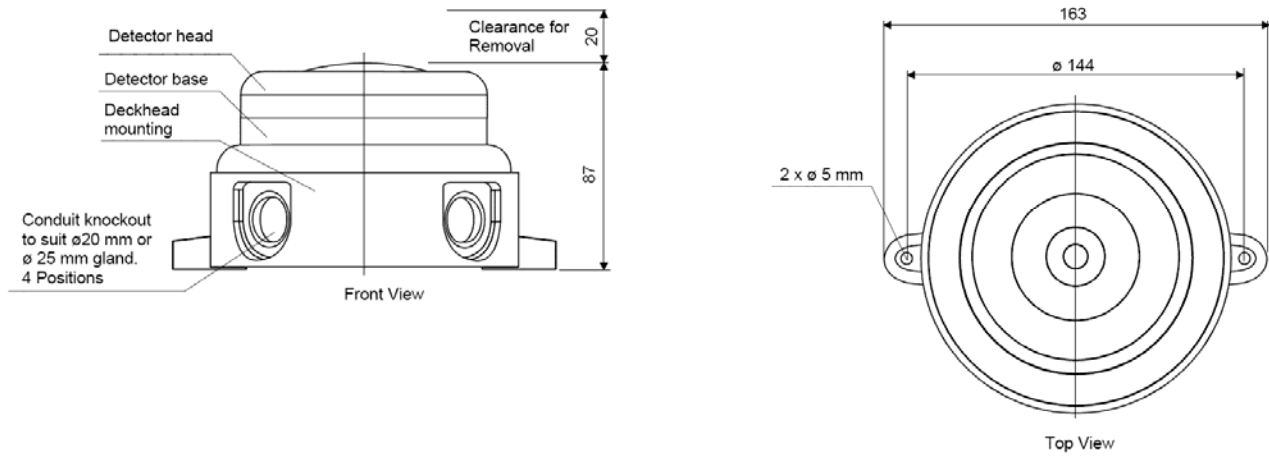
For use with the AutoSafe system there has been designed a special kit comprising interface unit and zener barrier in the same housing.



Technical specifications

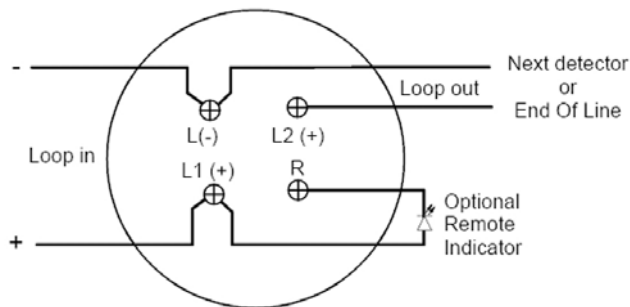
Weight	108 g
Detector material	FR110 'BAYBLEND'
Dimensions	128x21,2 mm
Supply voltage	18 - 28 VDC
Quiescent current	Typical 300 micro Amp
Alarm current	8 - 30 mA
Max. voltage for safety (Ui)	28 V
Max. current for safety (Li)	93 mA
Max. power input (Pi)	650 mW
Operating temperature	-20°C to +70°C
Storage temperature	-40°C to +80°C
Relative humidity	90% RH continuous (non-condensing) and up to 99% RH intermittent (non-condensing)
Range	0,1 m ² n-heptane at 20 m 0,4 m ² n-heptane at 50 m
Field of view	100°
ATEX code	II 1 G EEx ia IIC T4

Dimensions

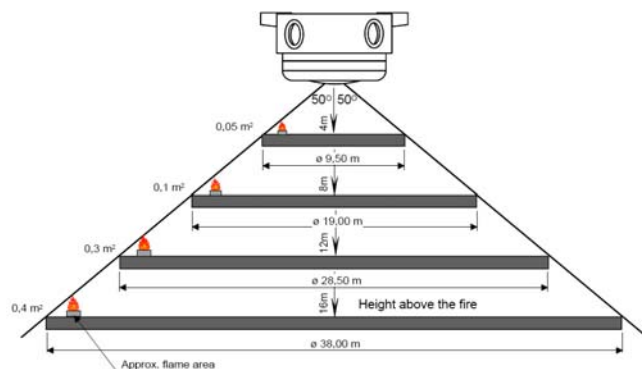


Detector base wiring

Conventional system:



Field view



Part number	Description
116-5861-010.2010	IR Flame detector head 601FEX-M
116-5861-010.2013	EX detector base for 601 series
Accessories:	
116-5861-010.2014	Deckhead mount. kit 601 series

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